IN THE CLAIMS:

1. (currently amended) An ultrasonic dental instrument grippable by an operator comprising:

a handpiece; and

an ultrasonic insert with a treatment applying tip, wherein the insert is carried by the handpiece, and, wherein the tip is rotatable relative to the handpiece by a force applied only to a portion of the insert wherein the insert includes a torque lock with a plurality of radialy movable prongs..

- 2. (original) An instrument as in claim 1 wherein the insert is releasibly coupled for axial insertion into and removal from the handpiece.
- 3. (original) An instrument as in claim 2 wherein the insert carries a user comfortable, deformable, elastomeric member whereby the user can rotate the tip relative to the handpiece.
- 4. (original) An instrument as in claim 3 wherein the insert includes an elongated body with an end coupled to the tip and a torque transferring cylinder coupled between a portion of body and the elastomeric member whereby the cylinder is mechanically locked to the body by the torque lock such that a rotary force applied to the elastomeric member establishes a torque for rotating the body.
- 5. (original) An instrument as in claim 4 wherein the cylinder is coupled to the body at a region of minimal axial ultrasonic vibration.
- 6. (original) An instrument as in claim 4 which includes a cylindrical bearing which is slidably locked to the handpiece in which the torque transferring cylinder rotates.

- 7. (original) An instrument as in claim 3 which includes a rotary bearing positioned adjacent to the elastomeric member whereby the tip and the elastomeric member are rotatably decoupled from and are rotatable together relative to the handpiece.
- 8. (original) An instrument as in claim 7 wherein the bearing is located at least in part, adjacent to a region of minimal axial ultrasonic vibration.
- 9. (original) An instrument as in claim 3 wherein the tip is rotatable through an arc on the order of at least two hundred seventy degrees.
- 10. (original) An instrument as in claim 3 wherein the elastomeric member comprises silicone.
- 11. (original) An instrument as in claim 1 wherein the insert carries a user gripping member for rotating the tip.
- 12. (original) An instrument as in claim 1 which includes a rotary bearing positioned adjacent to an elastomeric member whereby the tip and the elastomeric member are rotatable together relative to the handpiece.
- 13. (original) An instrument as in claim 12 wherein the bearing has an end located adjacent to a region of minimal axial ultrasonic vibration of the insert.
- 14. (original) An instrument as in claim 1 wherein the tip is rotatable through an arc on the order of at least two hundred seventy degrees.
- 15. (original) An instrument as in claim 1 which includes an elastomeric handle wherein the elastomeric handle comprises silicone.

- 16. (original) An instrument as in claim 1 which includes:
- a hollow, generally cylindrical bearing member rotatably latched to the insert wherein the cylindrical bearing member slidably engages the handpiece.
- 17. (original) An instrument as in claim 16 which includes a deformable gripping handle locked to the insert.
- 18. (original) An instrument as in claim 16 wherein the insert defines a slot thereon and wherein the cylindrical bearing member is located adjacent to the slot with the torque lock located therebetween..
- 19. (original) An instrument as in claim 18 which carries a cylindrical user handle, deformable at least in part, wherein an end of the handle is adjacent to an end of the cylindrical bearing member.
- 20. (original) An instrument as in claim 18 wherein the slot is located on the insert at a region of minimal axial ultrasonic vibration.
- 21. (original) An instrument as in claim 20 which carries a cylindrical user handle wherein a portion of the torque lock lockingly engages the slot and wherein the bearing member is thereby blocked from axial movement relative to the insert.
- 22. (original) An instrument as in claim 21 wherein a portion of the handpiece slidably engages the bearing member.
- 23. (currently amended) An instrument as in claim 17 wherein the <u>a</u> grippable member is carried by an element which slidably engages a region of the insert exhibiting minimal vibration.

- 24. (original) An instrument as in claim 23 wherein the element has first and second sections wherein one section lockingly engages a slot in the minimal vibration region of the body.
- 25. (original) An instrument as in claim 24 wherein the second section engages the first section with an interference fit.
- 26. (currently amended) An instrument as in elam claim 25 wherein the second section has a cylindrical external periphery and carries the deformable gripping handle thereon.
- 27. (original) A method of assembling an ultrasonic insert comprising:

 providing a body portion having a proximal end and a distal end wherein the distal end
 carries an operating member, the proximal end carries a transducer;

sliding a rotary bearing member over and past the operating member to a location, at least in part, in the vicinity of the proximal end;

sliding a locking member over and past the operating member toward the bearing member and clamping the locking member to the body portion at a region of minimal axial ultrasonically induced vibration thereby blocking axial movement of the bearing member along the body;

sliding a handle over and past the operating member and coupling the handle to the locking member whereby the handle is blocked from any axial movement relative to the body.

- 28. (currently amended) A method as in clam 27 which includes, in the clamping step, positioning the a locating member to, at least in part, slidably engage a slot on the body.
 - 29. (new) An ultrasonic dental instrument comprising: an ultrasonic insert with a treatment applying tip; and

a bearing positioned on the insert, the bearing has first and second sections with one section latched to the insert at least in part by a torque lock with a plurality of radially movable prongs, the other section is rotatable relative to the insert.

- 30. (new) An instrument as in claim 29 where the insert is axially insertable into and removable from a separate handpiece.
- 31. (new) An instrument as in claim 30 where the insert carries a user comfortable, deformable, elastomeric member whereby the user can rotate the tip relative to the handpiece.
- 32. (new) An instrument as in claim 29 where the torque lock is coupled to the insert at a region of minimal axial ultrasonic vibration.
- 33. (new) An instrument as in claim 32 where the bearing is located at least in part, adjacent to a region of minimal axial ultrasonic vibration.
- 34. (new) An instrument as in claim 32 where the bearing is a two-part cylindrical bearing which is located at least in part, adjacent to a region of minimal axial ultrasonic vibration.
- 35. (new) An instrument as in claim 30 wherein the insert defines a slot thereon and where the bearing is located, at least in part, adjacent to the slot with the torque lock located therebetwen.
- 36. (new) An instrument as in claim 35 wherein the slot is located on the insert at a region of minimal axial ultrasonic vibration.
- 37. (new) An instrument as in claim 35 which carries a cylindrical user handle where a portion of the torque lock lockingly engages the slot and where the bearing is thereby blocked from axial movement relative to the insert.
- 38. (new) An instrument as in claim 37 where a portion of the bearing carries a circular seal.